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1 [MPEG-4: an object-based multimedia coding standard supporting mobile applications](#)

Atul Puri, Alexandros Eleftheriadis

June 1998 Mobile Networks and Applications, Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (747.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
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Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 223, Citation Count: 8

The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was conceived to be a standard for coding of limited complexity audio-visual scenes ...

2 External memory algorithms and data structures: dealing with massive data



Jeffrey Scott Vitter

June ACM Computing Surveys (CSUR), Volume 33 Issue 2
2001

Publisher: ACM

Full text available: Pdf (828.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
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Bibliometrics: Downloads (6 Weeks): 134, Downloads (12 Months): 956, Citation Count: 77

Data sets in large applications are often too massive to fit completely inside the computers internal memory. The resulting input/output communication (or I/O) between fast internal memory and slower external memory (such as disks) can be a major performance ...

Keyw ords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, hierarchical memory, multidimensional access methods, multilevel memory, online, out-of-core, secondary storage, sorting

3 Developing services for open eprint archives: globalisation, integration and the impact of links



Steve Hitchcock, Les Carr, Zhuoan Jiao, Donna Bergmark, Wendy Hall, Carl Lagoze, Stevan Harnad

June DL '00: Proceedings of the fifth ACM conference on Digital libraries
2000

Publisher: ACM

Full text available: Pdf (174.62 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 46, Citation Count: 6

The rapid growth of scholarly information resources available in electronic form and their organisation by digital libraries is proving fertile ground for the development of sophisticated new services, of which citation linking will be one indispensable ...

Keyw ords: Open Archives, digital library information architectures, distributed collections, electronic publishing, eprint archives, reference linking

4 Customizing information capture and access



Daniela Rus, Devika Subramanian

January 1997 ACM Transactions on Information Systems (TOIS), Volume 15 Issue 1

Publisher: ACM

Full text available: Pdf (1.26 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 67, Citation Count: 6

This article presents a customizable architecture for software agents that capture and access information in large, heterogeneous, distributed electronic repositories. The key idea is to exploit underlying structure at various levels ...

Keyw ords: information gathering, software agents, table recognition

5 An interface for melody input



Lutz Prechelt, Rainer Typke

June 2001 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 8 Issue 2

Publisher: ACM

Full text available: Pdf (301.45 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 93, Citation Count: 2

We present a software system, called Tunserver, which recognizes a musical tune whistled by the user, finds it in a database, and returns its name, composer, and other information. Such a service is useful for track retrieval at radio stations, music ...

Keyw ords: input mode, melody, motif, recognition, theme, tune

6 The intrinsic problems of structural heterogeneity and an approach to their solution

Theo Härder, Günter Sauter, Joachim Thomas

April 1999 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 8 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (132.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 54, Citation Count: 3

This paper focuses on the problems that arise when integrating data from heterogeneous sources in a single, unified database view. At first, we give a detailed analysis of the kinds of structural heterogeneity that occur when unified views are derived ...


Keywords: Heterogeneity, Legacy systems, Mapping language, Schema integration, Schema mapping, Updatable views

7 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available:  Pdf (4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 631, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...


8 The C-ODA project: online access to electronic journals



Peter Kirstein, Goli Montasser-Kohsari

June 1996 Communications of the ACM, Volume 39 Issue 6

Publisher: ACM

Full text available:  Pdf (1.24 MB)

Additional Information: [full citation](#), [references](#), [index terms](#), [review](#)


Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 26, Citation Count: 0

9 Watermarking relational data: framework, algorithms and analysis

Rakesh Agrawal, Peter J. Haas, Jerry Kiernan

August 2003 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 12 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (223.17 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 155, Citation Count: 10

Abstract. We enunciate the need for watermarking database relations to deter data piracy, identify the characteristics of relational data that pose unique challenges for watermarking, and delineate desirable properties of a watermarking system for relational ...

Keywords: Database, Information hiding, Steganography, Watermarking

10 Strategic directions in electronic commerce and digital libraries: towards a digital agora



Nabil Adam, Yelena Yesha

December 1996 ACM Computing Surveys (CSUR), Volume 28 Issue 4

Publisher: ACM

Full text available: Pdf (244.34 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 202, Citation Count: 14

11 Watermarking relational databases

Rakesh Agrawal, Jerry Kiernan

August 2002 VLDB '02: Proceedings of the 28th international conference on Very Large Data Bases

Publisher: VLDB Endowment

Full text available: Pdf (208.56 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 134, Citation Count: 2

We enunciate the need for watermarking database relations to deter their piracy, identify the unique characteristics of relational data which pose new challenges for watermarking, and provide desirable properties of a watermarking system for relational ...

12 A search engine for 3D models



Thomas Funkhouser, Patrick Min, Michael Kazhdan, Joyce Chen, Alex Halderman, David Dobkin, David Jacobs

January 2003 ACM Transactions on Graphics (TOG), Volume 22 Issue 1

Publisher: ACM

Full text available: Pdf (7.91 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 271, Citation Count: 49

As the number of 3D models available on the Web grows, there is an increasing need for a search engine to help people find them. Unfortunately, traditional text-based search techniques are not always effective for 3D data. In this article, we investigate ...

Keywords: Search engine, shape matching, shape representation, shape retrieval

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